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TI Low resistance heating elements for electric blankets
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PA Tokyo Tokushu Electric Wire Mfg. Co., Ltd., Japan
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PI	JP 51045528	B4	19761204	JP 1972-117559	19721122
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AB	Cu alloys contg. Ag 0.5-4.0, Sn 0.1-0.5, and Mn 0.05-0.5 wt. % are useful as low-resistance heating elements for elec. blankets, etc. The alloys have good workability, good mech strength, and low resistivity. Thus, a Cu alloy contg. Ag 4.0, Sn 0.5, and Mn 0.2 wt. % was made into 0.5-mm-diam., then drawn into 0.08-mm diam. wire : frequency of broken wire was 1/unit time, vs. 8 times/unit time for a control without Mn. The sp. resistance of the alloy was 2.41 .mu..OMEGA.-cm. Heating elements for elec. blanket prepd. by using 0.08-mm-thick, 0.43-mm wide wire of the above alloy were then bending tested by using the JISC 3301-5.10(1) method: the Cu alloy wire broke after 19,010 bending operations.				